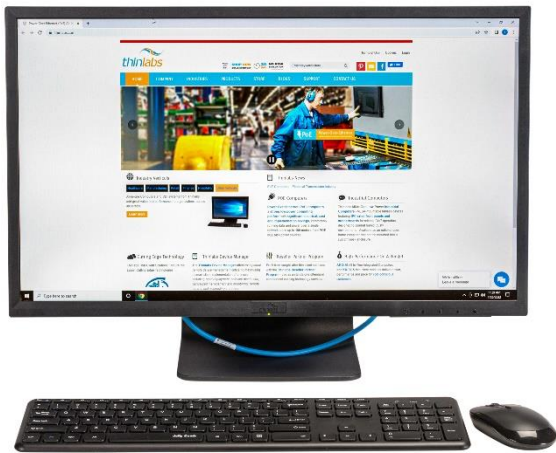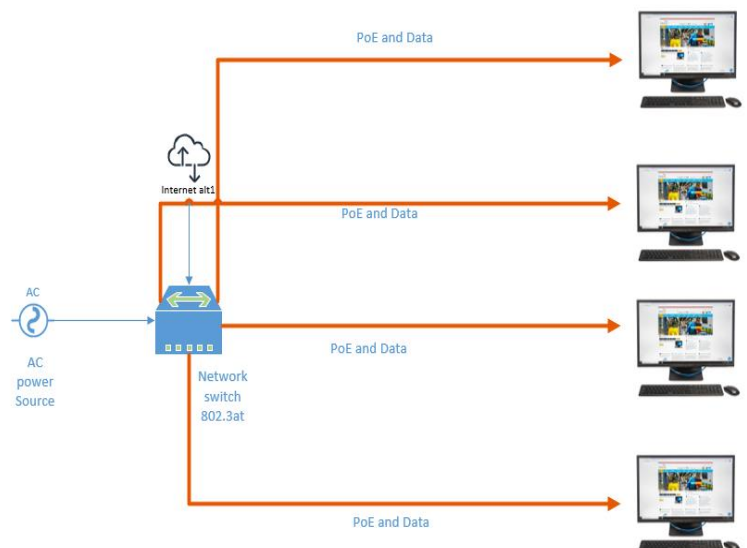# Thinlabs' *All-in-One:* Low Power, Top Performance

Thinlabs' All-in-One (AIO) computers consume ~25 W of power – among the lowest in the computing world – but deliver high performance. Thinlabs' AIO computers feature Full HD 24" screens and can support up to 32 GB RAM – and yet can be powered by a PoE+ (802.3at+) network switch.

Powered by AMD® Ryzen® processors and running Microsoft® Windows® 10 / 11 or Linux® OS, Thinlabs' AIO PoE computers are powerful, responsive and the smart choice for your edge computing needs.

Unique Thinlabs PoE Advantages

- **Optional PoE –** Your computer can be powered either over Ethernet (PoE) or by mains electricity – using low power in either scenario

- **One Ethernet cable** - A single port on a network switch or PoE injector can power a Thinlabs PoE Computer using a single Ethernet cable

- **High reliability –** Thinlabs' computers are fanless and have no moving parts

- **Low power consumption – ~25 W of power** when compared to about 100 W for a single screen desktop

- **Faster rollout** – deploy your office as fast as it takes for your Ethernet infrastructure can be rolled out.

- **User safe** – PoE (power over Ethernet) is covered by the low voltage directive and is inherently safe to use. 100W (IEEE's 802.3bt++) Power Injector

SOFTWARE

Choice of Operating System:

- Windows 10 / 11 IoT Enterprise LTSB
- Windows Professional 10 /11
- Thinlabs Linux Embedded with Write Filter Protection

All versions support Citrix HDX, VMWARE Horizon View with PCoIP, RDP, Microsoft Remote FX and 2X

HARDWARE

- AMD® Ryzen® Processor
- 8 GB DDR4 2400 MHz Memory (expandable to 64 GB)
- Flash Medium 128 GB M.2 2280 SSD (expandable to 1024 GB)
- 10 / 100 / 1000 autosensing Megabit Ethernet (optional Internal Bluetooth 4.0 / Wi-Fi a/b/g/n/ac Dual Band Combo)
- Desktop Stand or 75 / 100 mm VESA

EXTERNAL PORTS

- Gigabit Ethernet - RJ45 port (w/ LED)
- 6 USB ports with ESD Protection support
- HDMI or DP port
- Serial port (optional)
- DC Power In (optional)
- Microphone / Speaker ports

AUDIO/ VIDEO/ TOUCHSCREEN

- 24" WXGA display, Full HD screen
- PCT touchscreen (Optional)
- Integrated 3D Graphics Engine

REGULATORY/ ENVIRONMENT COMPLIANCE

- CE / FCC B / EN60950 / RoHS / WHQL
- Operating: 41º F to 95º F
- Storage: -10º F to 140º F
- 90% max, non-condensing cooling
- Energy saving support
- TAA compliant

POWER

- PoE+, PoE ++
- 12V Power Adapter (optional)

STORAGE CASE

- IP67 Waterproof
- Buoyant
- Impact resistant
- Compliant with airline ATA-300 specifications
- Stainless Steel Reinforced Padlock hole

ADDITIONAL OPTIONS

- Barcode Reader, Magnetic Stripe Reader or Biometric Fingerprint Scanner

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